

# UV-10

## Rotary Vane Vacuum Pump

A rotary vane pump is a positive-displacement pump that consists of vanes mounted to a rotor that rotates inside a cavity. In some cases these vanes can have variable length and/or be tensioned to maintain contact with the walls as the pump rotates. It can endure short periods of dry operation, and are considered good for low-viscosity fluids.

Lab1st UV series rotary vane vacuum pump offers an excellent ultimate with good pumping speeds as well as superior vapour handling capabilities and quiet operation. It is usually used with distillation, evaporation, reaction equipment.

### Features

Advanced technology to keep high ultimate pressure with gas ballast on

up to 63CFM [60Hz], 25L per second

Designed with rational structure, safety and reliability

With high flow rate, high ultimate pressure and low noise level

Free of oil leakage and easy for maintenance

Adopts KF series flange for joint with exhaust sheath to prevent any infiltrating during operating



### Parameters

Model	UV-10
————TECHNICAL DATA————	
Pumping Rate [L/s]	4 [50Hz]
Ultimate Vacuum without Gas Ballast [pa]	4X10 <sup>-2</sup>
Ultimate Vacuum with Gas Ballast [pa]	1. 2
Noise [dB]	≤50
Ambient Temperature [°C]	8-40
Upgradeable	GB Explosion Proof
————ELECTRICAL REQUIREMENTS————	
Voltage	220V
Phase	1P
Frequency	50/60HZ
Total Power [W]	0.55/0.4 [1P/3P]
————PUMP OIL————	
Pump Oil Volume [L]	1.1
Pump Oil Viscosity	100 Viscosity
Pump Oil Temperature [°C]	≤45
————MOTOR————	
Rotating Speed [rpm]	1400
————INTERFACE————	

---

Intake Interface	25KF
Exhaust Interface	25KF
——WEIGHT   DIMENSION——	
Weight [kg]	26
Dimension [mm]	535 x 161 x 252

---

## Packages

---

W (mm)	CBM (m3)
D (mm)	Weight (kg)
H (mm)	

\* Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.